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May 31, 1995

EX PARTE

Mr. William Caton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY

**Re: ET Docket 93-7 Cable TV and Consumer Electronics
Equipment Compatibility**

Bell Atlantic met today with Mark Corbitt and Karen Frazer of the Office of Plans and Policy and Martin Stern and Kevin Saltzman of the Office of the General Counsel. Bell Atlantic was represented by Ray Albers and Chas Peterson of its Technology Planning organization and the undersigned.

The purpose of this meeting was to discuss Bell Atlantic's position regarding analog versus digital set top decoders and its concept for a standard, open system interface module to support multiple video dialtone system architectures. Attached is a copy of the handout distributed during the meeting.

Please call me if you have any questions regarding this meeting.

Sincerely,

Marie Breslin

Attachment

cc: M. Corbitt
K. Frazer
M. Stern
K. Saltzman

No. of Copies rec'd 021
List A B C D E

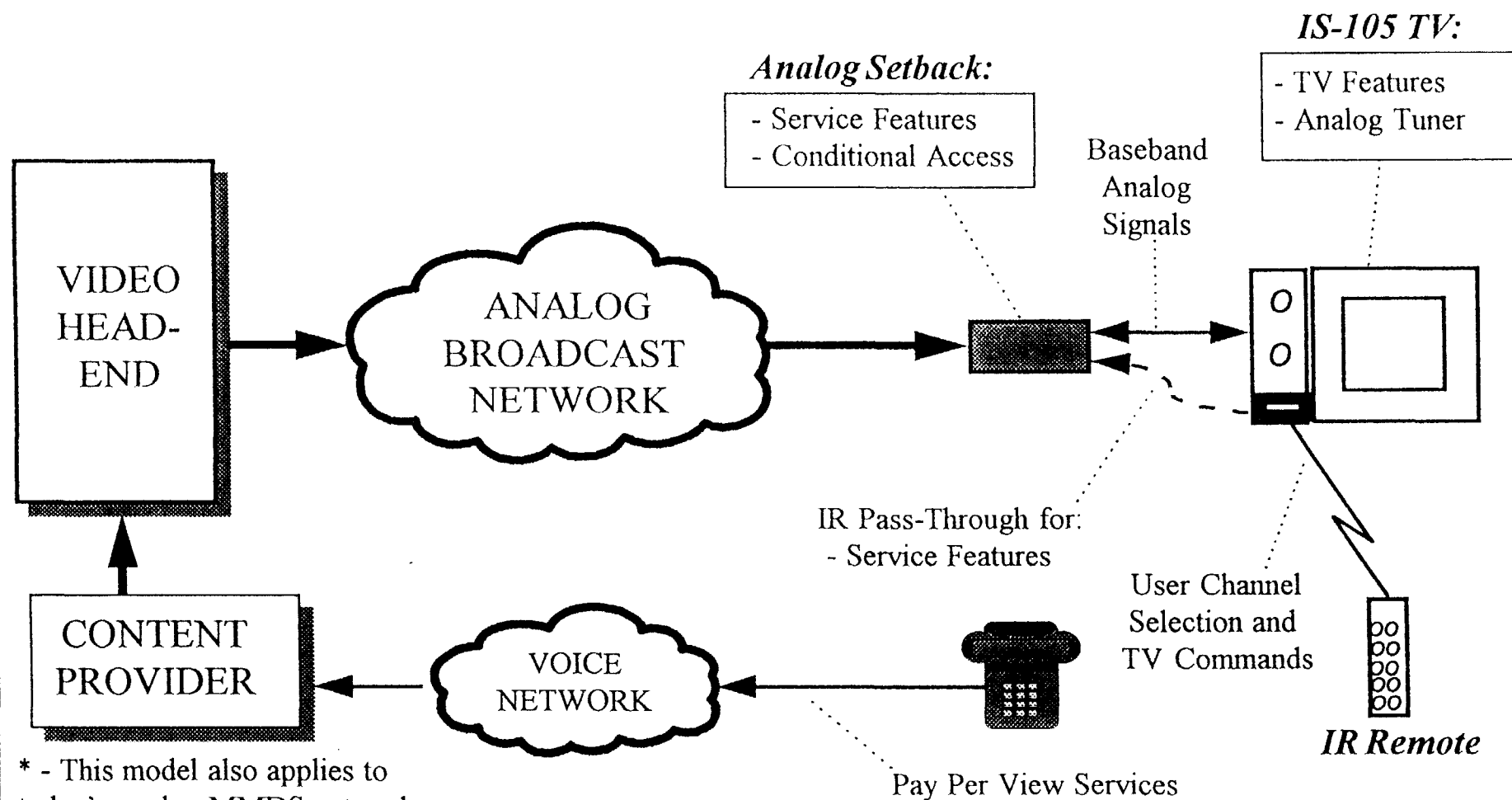
APPLICATION AND EXTENSION OF IS-105 CONCEPTS

Summary:

- “Next Generation Cable-Ready TV” Concept Only Works for Today’s Analog, Non-Interactive Networks
- Digital Networks Will Obsolete This TV (Require Settop or New Definitions of “Cable-Ready TV”)
- There Will Be Many Different Networks and Interfaces
- NIM-DET Concept Is a Win-Win:
 - Minimum function network-dependent element
 - Industry standard interfaces
 - Maximum flexibility for TV/Terminal function (settop, built-ins)

Application of IS-105 Concepts

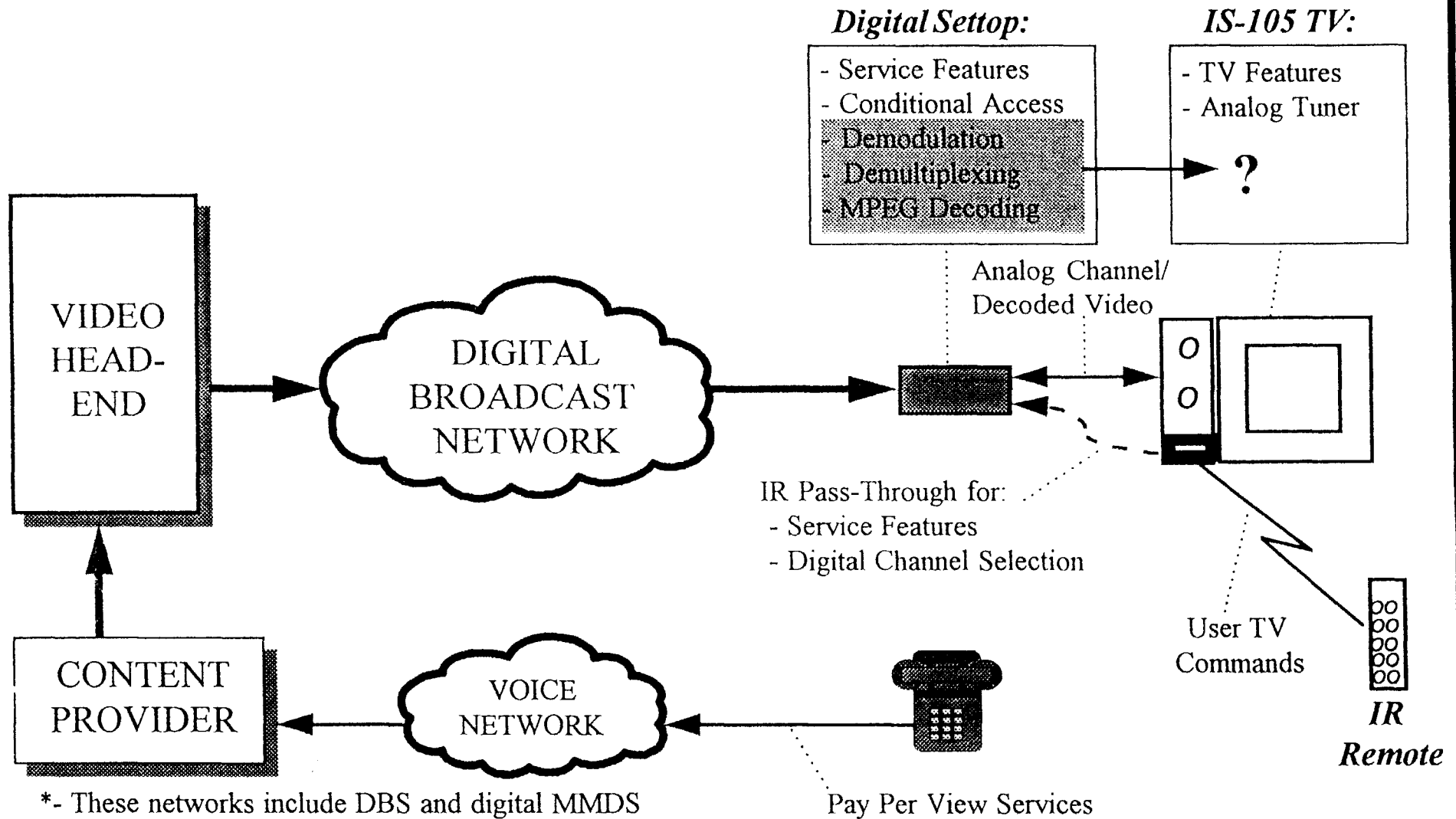
Cable* Networks -- Non-Realtime Interactive Backchannel



* - This model also applies to today's analog MMDS network.

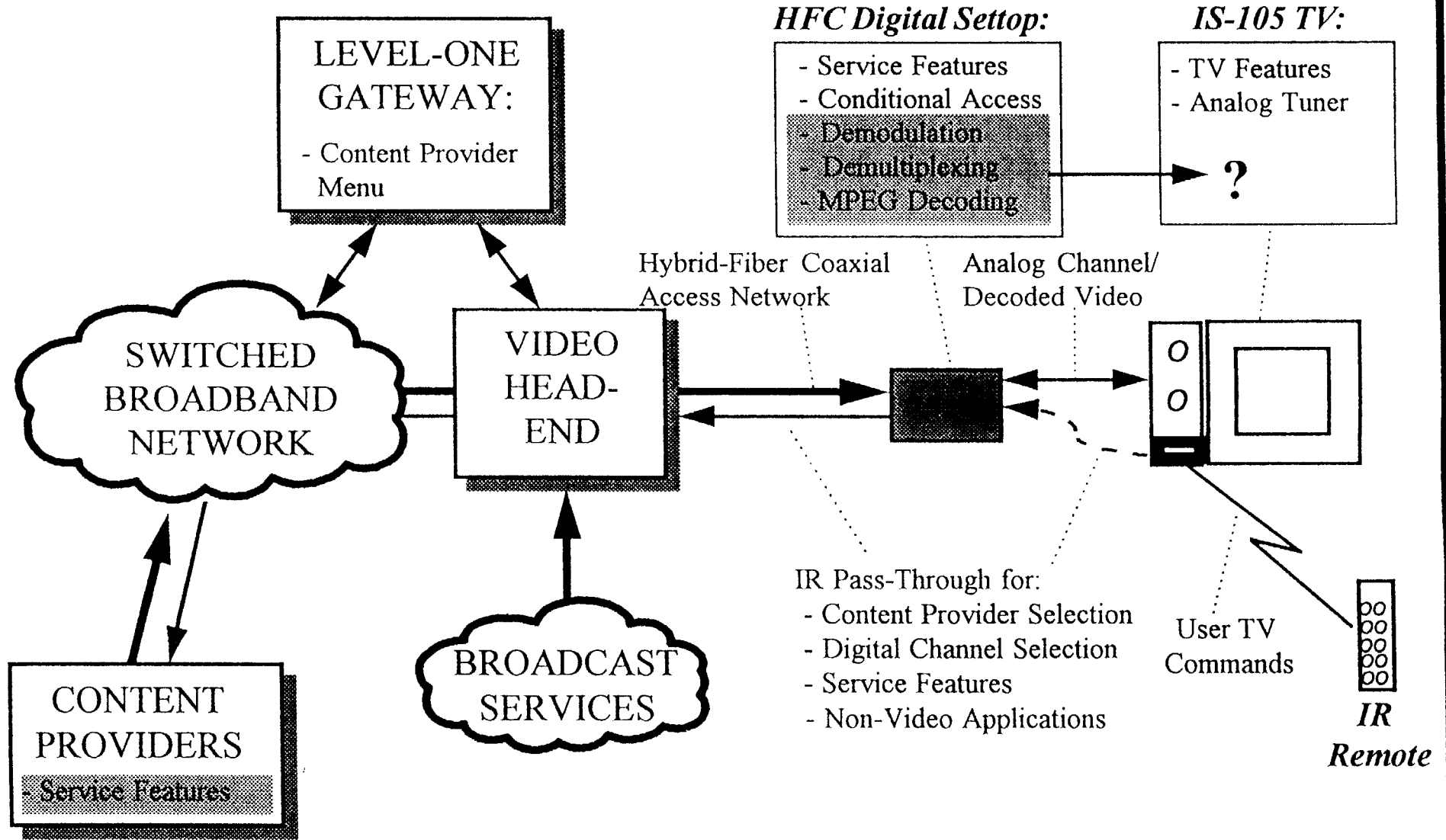
Extension of IS-105 Concepts

Digital MMDS* -- Non-Realtime Interactive Backchannel



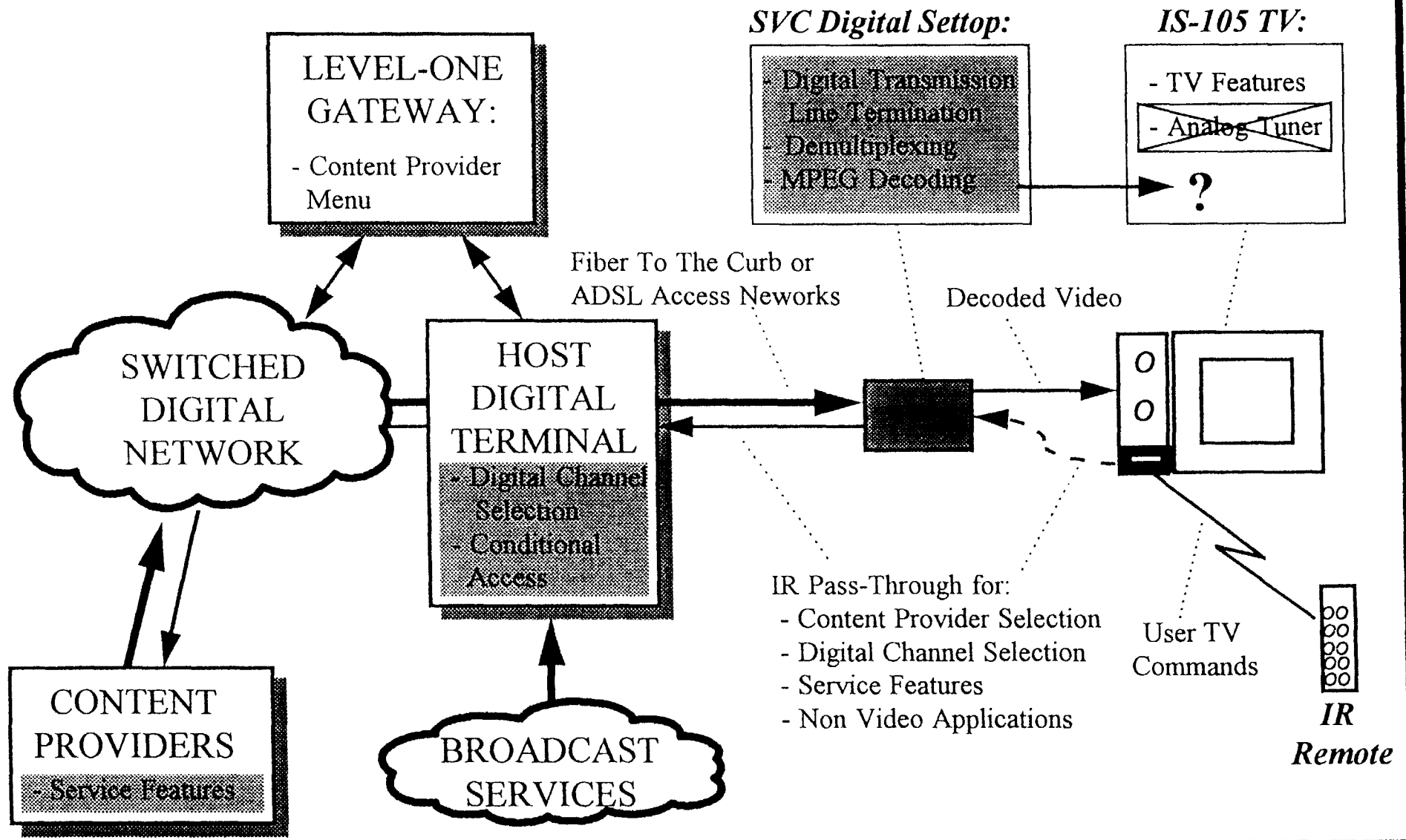
Extension of IS-105 Concepts

Hybrid Fiber Coaxial Video Dialtone Networks



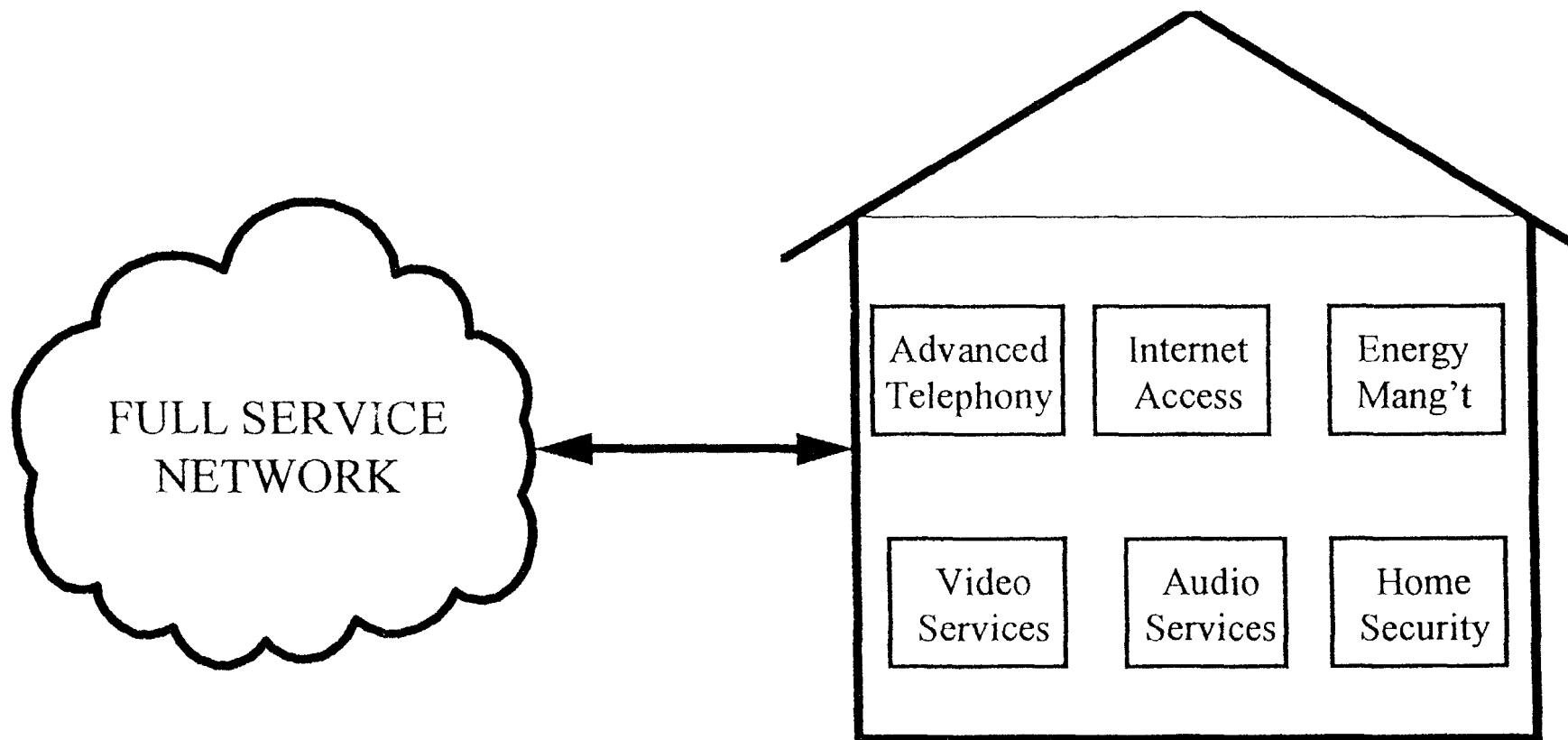
Extension of IS-105 Concepts

Switched Digital Video Dialtone Networks



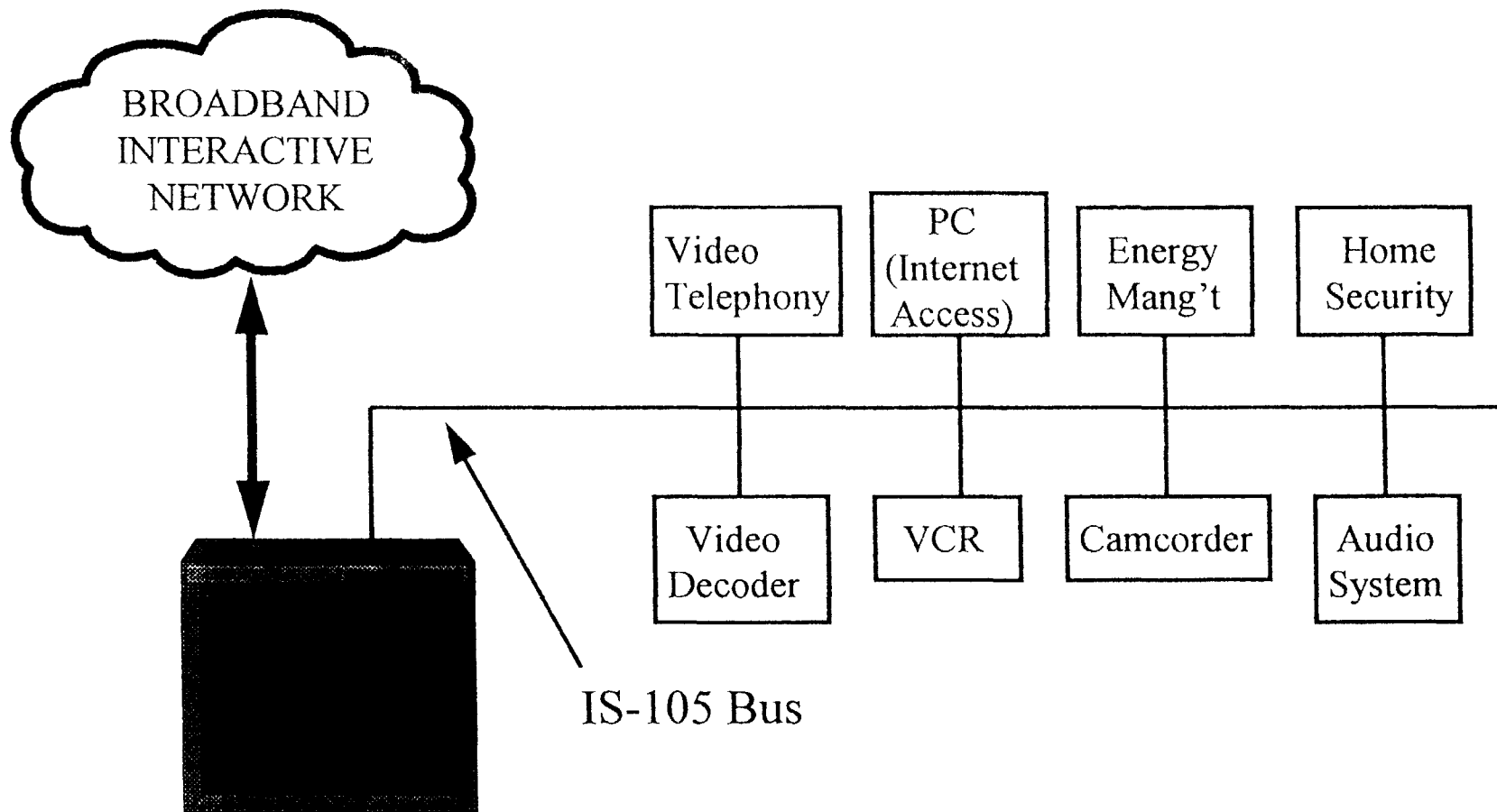
Broadband Networks -- Not Just For Video

Service Demand Will Extend Beyond Video



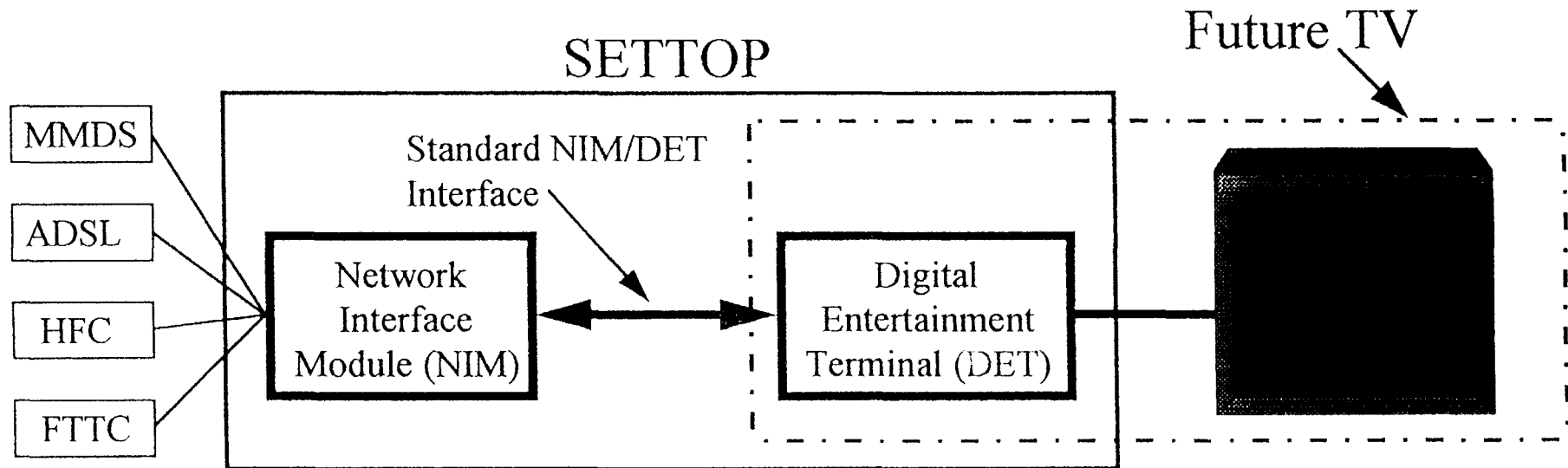
Broadband Networks -- Not Just For Video

IS-105 Design Creates Gatekeeper Problem



Bell Atlantic's Modular Settop Design

Hardware Portability Across Multiple Access Networks



NIM: Network-Dependent*

- Digital Line Termination
- Modulation
- Decryption
- Conditional Access
- Tuner
- Multiplexers
- Filters

DET: Network-Independent

- MPEG Decoding
- Digital to Analog Conversion
- Memory and CPU
- Peripheral Interfaces

* - Each NIM is designed for a specific network architecture, and may not include all of these components.